



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Franz-Josef Koerber

Application No.: 10/568,751

Filed: February 21, 2006

For: APPARATUS FOR ACTUATING AN
ELECTRICAL SWITCHING DEVICE

)
)
) Group Art Unit: 2836

)
) Examiner:

)
) Confirmation No.: 6674

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a copy of the Official Filing Receipt marked in red to show correction that is needed. The correction is as follows:

THE TITLE IS INCORRECT. IT SHOULD READ:

APPARATUS FOR ACTUATING AN ELECTRICAL SWITCHING DEVICE

Issuance of a corrected Official Filing Receipt is respectfully requested.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: July 28, 2006

By:

Patrick C. Keane
Registration No. 32858

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620



UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 28 2006

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/568,751	02/21/2006	2836	900	1034193000040	2	20	1

CONFIRMATION NO. 6674

FILING RECEIPT



OC000000019447106

21839
BUCHANAN INGERSOLL PC
(INCLUDING BURNS, DOANE, SWECKER & MATHIS)
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

Date Mailed: 07/05/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Franz-Josef Koerber, Altenstadt, GERMANY;

Assignment For Published Patent Application

ABB TECHNOLOGY AG, Zurich, SWITZERLAND

Power of Attorney: The patent practitioners associated with Customer Number **21839**.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/10199 09/13/2003

Foreign Applications

If Required, Foreign Filing License Granted: 06/29/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/568,751**

Projected Publication Date: 10/05/2006

Non-Publication Request: No

Early Publication Request: No

Title

*APPARATUS**SWITCHING DEVICE*~~Device for actuating an electrical switchgear~~



Patent
Attorney's Docket No. 1034193-000040

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP: ASSIGNMENT
Franz-Josef Koerber)	RECORDATION SERVICES
Application No.: 10/568,751)	Group Art Unit: 2836
Filed: February 21, 2006)	Examiner:
For: APPARATUS FOR ACTUATING AN)	Confirmation No.: 6674
ELECTRICAL SWITCHING DEVICE)	
)	
)	
)	

**REQUEST FOR CORRECTED NOTICE OF
RECORDATION OF ASSIGNMENT DOCUMENT**

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Upon review of the Notice of Recordation of Assignment Document in connection with the above-identified application, the undersigned has noted the following error(s) on the part of the U.S. Patent and Trademark Office:

THE FILING DATE IS MISSING. IT SHOULD READ:

02/21/2006

Enclosed is a copy of the original Notice of Recordation of Assignment Document with corrections marked in red. Also attached is a copy of the Date-Stamped Postcard and Official Filing Receipt indicating that this application was filed on February 21, 2006. It is respectfully requested that the above correction(s) be made and that a corrected Notice of Recordation of Assignment Document be issued.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: July 28, 2006

By:


Patrick C. Keane
Registration No. 32858

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620



1034193-000040

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 11, 2006

PTAS



103186401A

BUCHANAN INGERSOLL PC
(INCLUDING BURNS, DOANE, SWECKER & MATHI
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/21/2006

REEL/FRAME: 017602/0893
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 1034193-000040

ASSIGNOR:

KOERBER, FRANZ-JOSEF

DOC DATE: 02/07/2006

ASSIGNEE:

ABB TECHNOLOGY AG
AFFOLTERNSTR. 44
CH-8050 ZURICH, SWITZERLAND

SERIAL NUMBER: 10568751

FILING DATE: 02/21/2006
ISSUE DATE:

PATENT NUMBER:

TITLE: APPARATUS FOR ACTUATING AN ELECTRICAL SWITCHING DEVICE

SHARON LATIMER, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PCT Postcard

Applicant/

Inventor: Franz-Josef KOERBER

Docket No.: 1034193-000040

Working Atty.: Patrick C. Keane / btp

Appln. No.: 39

Date: February 21, 2006

Title: APPRATUS FOR ACTUATING AN ELECTRICAL SWITCHING DEVICE

Dkt. Clerk Initials

☒ [Signature]

The following was/were received in the U.S. Patent and Trademark Office on the date stamped hereon:

☐ Transmittal Letter to the U.S. Receiving Office/ Response to Invitation (PTO-1382)

☒ Transmittal Letter to U.S. Designated/Elected Office (DO/EQ/US) Concerning Filing Under 35 USC 371 (PTO-1390)

☐ PCT Request (PCT/RO/101) () pgs.

INCLUDING:

☒ Specification (pages 1 - 10)

☒ Claims (claims(s) 1 - 11 , 2 pgs.)

☒ Drawings (Fig(s). 1 - 4 , 2 pgs.)

☐ Abstract of the Disclosure

☐ PCT Fee Calculation Sheet Annex to the Request (PCT/RO/101 (Annex))

☐ PCT Demand (PCT/IPEA/401) International Preliminary Examination Report

☐ PCT Fee Calculation Sheet Annex to Demand for Int'l. Preliminary Exam. (PCT/IPEA/401 (Annex))

☐ PCT Notice of Confirmation of Precautionary Designations (PCT/RO/144)

☒ Executed Declaration/Power of Attorney

☐ Unexecuted Declaration/Power of Attorney

☒ Assignment/Assignment Recordation Form Cover Sheet (PTO-1595)

☐ Appointment of Agent

☒ Preliminary Amendment

☐ Information Disclosure Statement Transmittal

☒ Information Disclosure Citation (PTO-1449)

☒ Information Disclosure Statement w/ 5 document(s)

☒ Patent Application Data Sheet

☒ Gen. Authorization for Petition for Ext. of Time and Payment of Fees

☐ Diskette

☐ Check for \$ is enclosed

☐ Check for \$ is enclosed

☐ Charge \$ to Deposit Account

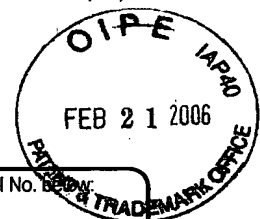
☒ Charge \$ 940.00 to credit card. Form PTO-2038 is attached.

☒ WO 2005/034156 A1

☒ Copy of Form PCT/ISA/210 (International Search Report)

☐

☐



If submitting documents via Express Mail, provide the Express Mailing Label No. below.

Express Mail Mailing Label No.

PCT Postcard

Applicant/

Inventor: Franz-Josef KOERBER

Docket No.: 1034193-000040

Working Atty.: Patrick C. Keane / btp

Appln. No.:

Date: February 21, 2006

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Express Mail Mailing Label No.

IAP3 Rec'd PCT/PTO 21 FEB 2006



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/568,751	02/21/2006	2836	900	1034193000040	2	20	1

CONFIRMATION NO. 6674

21839
BUCHANAN INGERSOLL PC
(INCLUDING BURNS, DOANE, SWECKER & MATHIS)
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

FILING RECEIPT



OC000000019447106

Date Mailed: 07/05/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

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Franz-Josef Koerber, Altenstadt, GERMANY;

Assignment For Published Patent Application

ABB TECHNOLOGY AG, Zurich, SWITZERLAND

Power of Attorney: The patent practitioners associated with Customer Number 21839.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/10199 09/13/2003

Foreign Applications

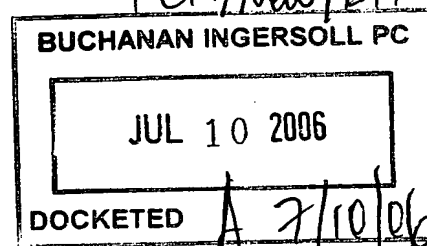
If Required, Foreign Filing License Granted: 06/29/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/568,751**

Projected Publication Date: 10/05/2006

Non-Publication Request: No

Early Publication Request: No



Title

Device for actuating an electrical switchgear

Preliminary Class

307

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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1034193-000040

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 11, 2006

PTAS



103186401A

BUCHANAN INGERSOLL PC
(INCLUDING BURNS, DOANE, SWECKER & MATHI
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 02/21/2006

REEL/FRAME: 017602/0893
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 1034193-000040

ASSIGNOR:

KOERBER, FRANZ-JOSEF

DOC DATE: 02/07/2006

ASSIGNEE:

ABB TECHNOLOGY AG
AFFOLTERNSTR. 44
CH-8050 ZURICH, SWITZERLAND

SERIAL NUMBER: 10568751

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: APPARATUS FOR ACTUATING AN ELECTRICAL SWITCHING DEVICE

017602/0893 PAGE 2

SHARON LATIMER, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

BEST AVAILABLE COPY



41K 581-40

02-28-2006



103186401

10/568751

SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

20 MAR 2006 21 FEB 2006

Attorney's Docket No. 1034193-000040

Substitute for Form PTO-1595

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Franz-Josef KOERBER

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 7, 2006

2. Name and address of receiving party(ies):

Name: ABB TECHNOLOGY AG

Address:

Affolternstr. 44
CH-8050 Zurich
Switzerland

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 7, 2006

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patrick C. Keane

Address:

Buchanan Ingersoll PC
Including attorneys from Burns, Doane, Swecker & Mathis
Customer Number 2 1 8 3 9
P.O. Box 1404
Alexandria, VA 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00 (8021)

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☒ Credit card. Form PTO-2038 is attached.

8. Deposit account number:

02-4800

(Attach duplicate copy of this page if paying by deposit account.)

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick C. Keane
Name of Person Signing

32,858
Reg. No.

Signature

February 21, 2006
Date

Total number of pages including cover sheet, attachments, and documents: 3

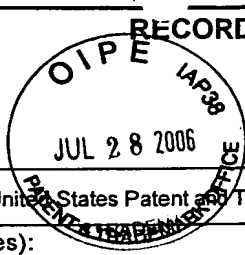
Mail documents to be recorded with required cover sheet information to:
Director of the United States Patent and Trademark Office / Mail Stop Assignment Recordation Services
P.O. Box 1450 / Alexandria, VA 22313-1450

02/24/2006 LLANDGRA 00000025 10568751

04 FC:8021

40.00 DP

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney's Docket No. 1034193-000040

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Franz-Josef KOERBER

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: February 7, 2006

2. Name and address of receiving party(ies):

Name: ABB TECHNOLOGY AG

Address:
 Affolternstr. 44
 CH-8050 Zurich
 Switzerland

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 7, 2006

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patrick C. Keane

Address:

Buchanan Ingersoll PC
 Including attorneys from Burns, Doane, Swecker & Mathis
 Customer Number 2 1 8 3 9
 P.O. Box 1404
 Alexandria, VA 22313-1404

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00 (8021)

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☒ Credit card. Form PTO-2038 is attached.

8. Deposit account number:

02-4800

(Attach duplicate copy of this page if paying by deposit account.)

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick C. Keane
 Name of Person Signing

32,858
 Reg. No.

Signature

February 21, 2006
 Date

Total number of pages including cover sheet, attachments, and documents:

3

Mail documents to be recorded with required cover sheet information to:
 Director of the United States Patent and Trademark Office / Mail Stop Assignment Recordation Services
 P.O. Box 1450 / Alexandria, VA 22313-1450

DOCKETED

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by (1) Franz-Josef KOERBER, residing at (1) Altenstadt, Germany,
(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in
APPARATUS FOR ACTUATING AN ELECTRICAL SWITCHING DEVICE set forth in an application for
Letters Patent of the United States, which is a

- (1) ☐ provisional application
 - (a) ☐ bearing Application No. _____, and filed on _____;
 - (b) ☐ to be filed herewith; or
- (2) ☒ non-provisional application
 - (a) ☐ bearing Application No. _____, and filed on _____;
 - (b) ☒ having an oath or declaration executed on even date herewith prior to filing of application;
 - (c) ☐ having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, ABB TECHNOLOGY AG, a corporation duly organized under and pursuant to the laws of Switzerland and having a principal place of business at Affolternstr. 44, CH-8050 Zürich, Switzerland (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever

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counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Buchanan Ingersoll PC (including attorneys from Burns, Doane, Swecker & Mathis) to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said invention, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

DATE 07.02.2006



Franz-Josef KOERBER